

DIGITAL RECORDING AND PLAYBACK SYSTEM  
WITH VOICE RECOGNITION CAPABILITY  
FOR CONCURRENT TEXT GENERATION

MDS  
625M

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BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

10 The present invention relates to the design of digital recording and playback systems. More specifically, the present invention pertains to the processing of voice and concurrent generation of corresponding text in a portable digital appliance.

RELATED ART

15 The use of portable digital recording and playback devices are quickly gaining popularity in business and among individual users. In particular, one attractive feature of digital recording is the possibility of converting the voice messages into text, which can then be reviewed, revised and incorporated into documents or otherwise retrieved for use subsequently. Today, there are  
20 several models of portable digital recorder in the marketplace. These prior art recorders typically record voice messages as compressed digital data. In order to convert the compressed digital data to text data, a separate computer program is generally required. Thus, in the prior art, subsequent to a recording session, the user needs to post-process the compressed digital data to perform  
25 the voice-to-text conversion. This requires additional processing time, and in some cases even requires the user to transfer the compressed digital data from the portable device to a personal computer (PC) having the necessary software program before the conversion can be performed. It is desirable to eliminate